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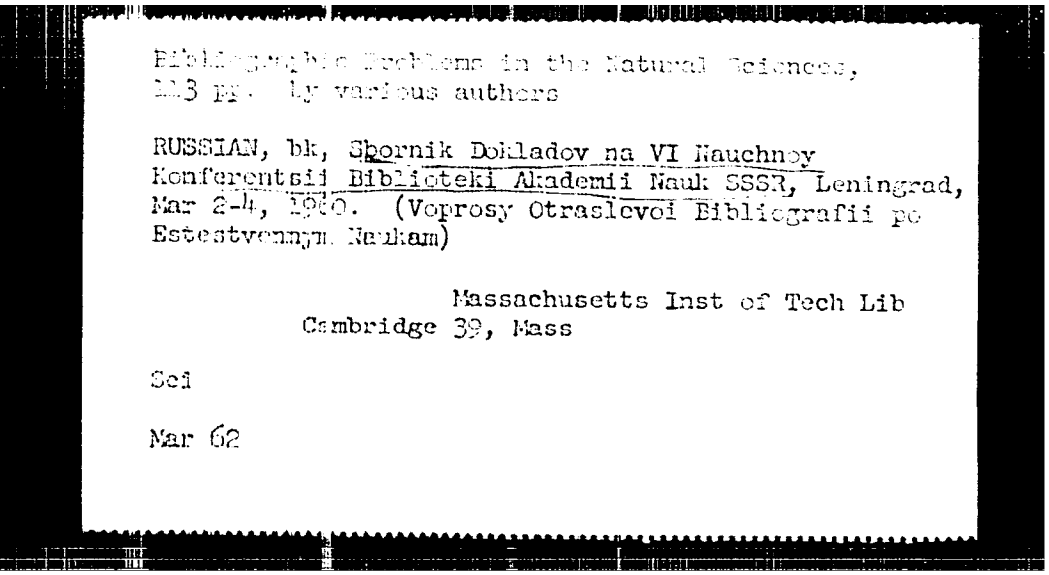

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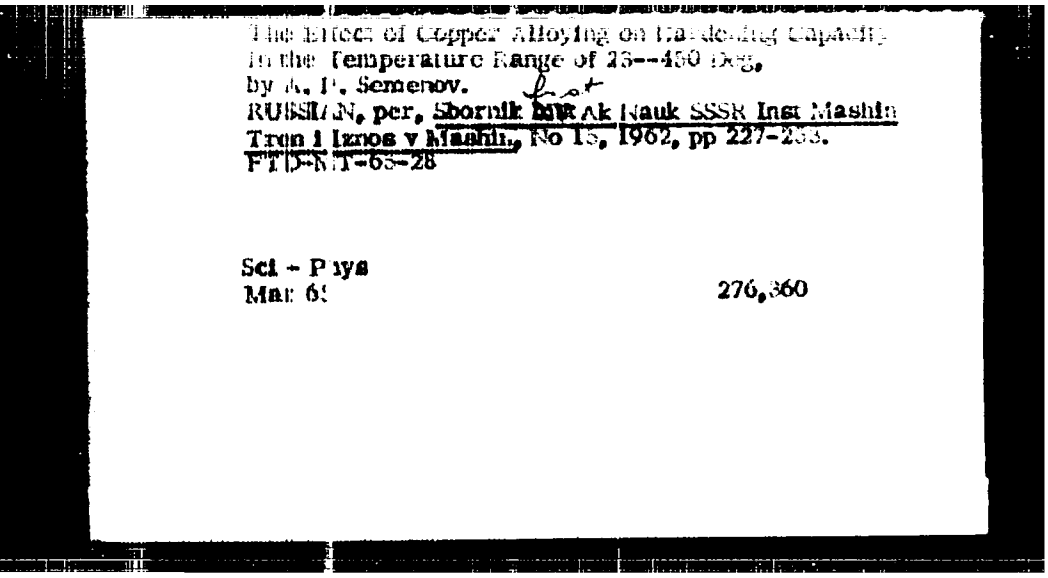

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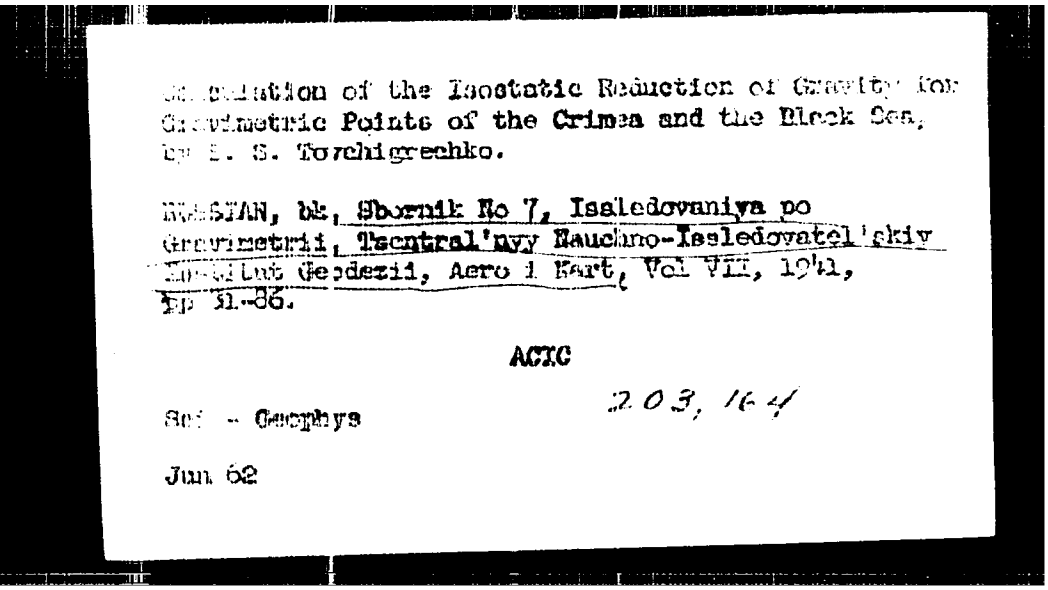

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Oxidation of Binary Alloys, by I. N. Frantsevich and E. F. Voytovich, 9 pp.
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JPRS 32341

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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Separation of Mixtures by High Vacuum Fractional Distillation, by N. M. Zhavoronkov.

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Sci - Chem
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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Sci - Chem
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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JPRS SP-1273

USSR
Biog
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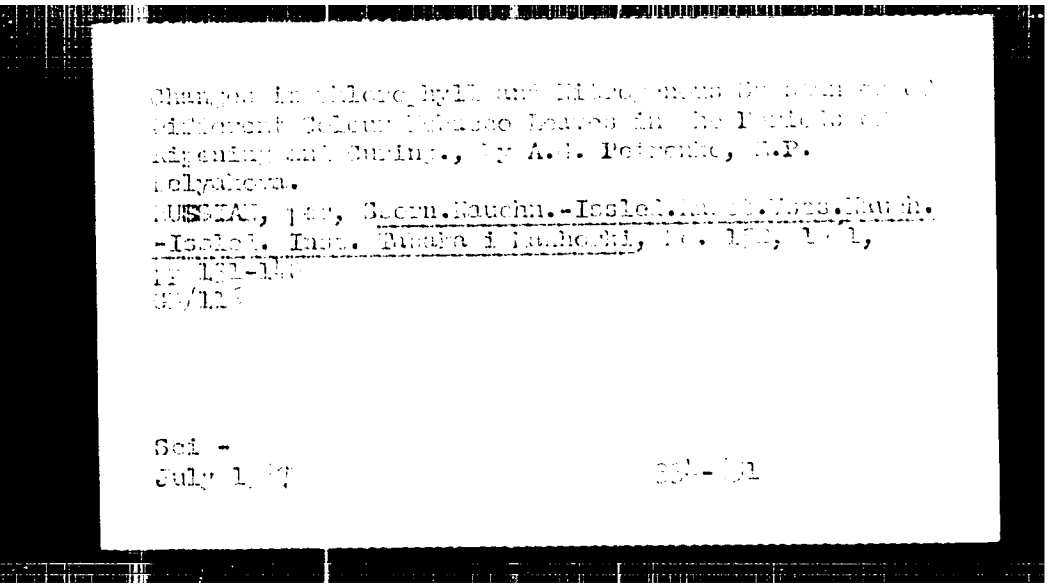
APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8



Changes in chlorophyll and [illegible] in [illegible] pinkroot [illegible] leaves in the period of ripening and drying., by A. I. Petrenko, N.P. Polyakova.

AUSSIAN, per, S.-Kazakh.-Issled.[illegible].Kaz.Kazakh.-Issled. Inst. Pochvo i Rastenii, v. 1[illegible], 1[illegible], 1[illegible]-1[illegible]
[illegible]/12

Sci -
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[illegible]-[illegible]

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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Daily Course of Chlorophyll Content in Tobacco Leaves, by Z. Belyakova.
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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An Investigation of Hydrodynamic Fluid Flow in Channels of Complex Shape, by A. G. Temkin.
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MLL RTS 2690 (On Loan or Purchase)

Aug 65 288,101

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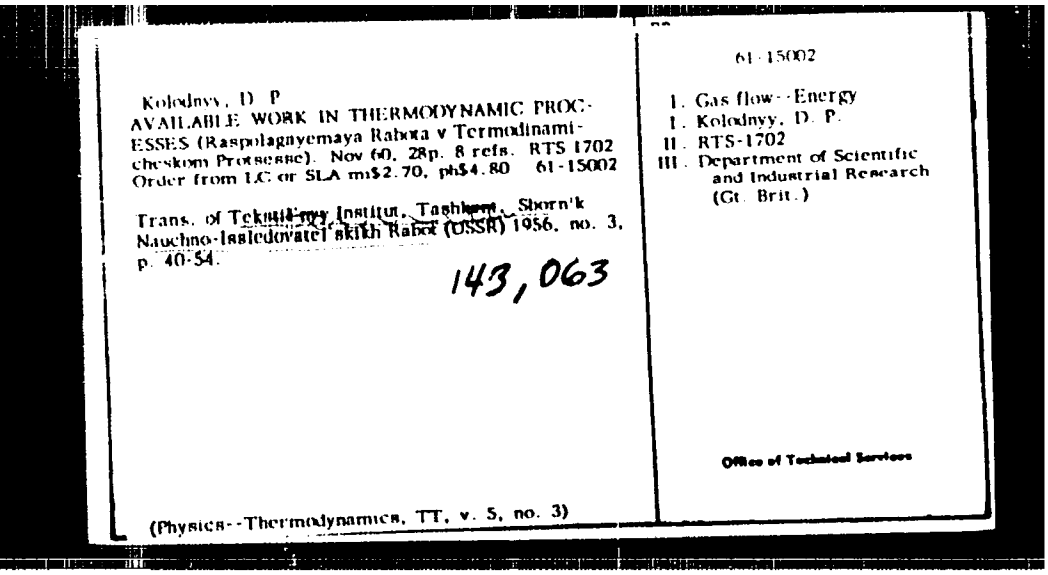

Kolodnyy, D. P.
AVAILABLE WORK IN THERMODYNAMIC PROCESSES (Raspolagnyemaya Rabota v Termodinamicheskom Prosesse). Nov 60. 28p. 8 refs. RTS 1702 Order from LC or SLA ms$2.70, ph$4.80 61-15002

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(Physics--Thermodynamics, TT, v. 5, no. 3)

61-15002

1. Gas flow--Energy
I. Kolodnyy, D. P.
II. RTS-1702
III. Department of Scientific and Industrial Research (Gt. Brit.)

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CIA/FDD XX-1172
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Utilization of Kinetic Energy in the Stages of Impulse Type Steam Turbines, by G. I. Khutski.

RUSSIAN, per, Sbornik Nauch Rabot Belorussk Politekh Inst, No 61, 1957, pp 175-190.

MLL M. 3577

Sci - Chem, Engr

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

Kachan, I. S.
THE INVESTIGATION OF SOME PROPERTIES OF TITANIUM-ZIRCONIUM SILICATE GLASSES (Issledovanie Nekotorykh Svoistv Titanotsirkonievykh Silikatnykh Stekol). [1963] [32p] (foreign text included) 17refs
Order from OTS or SLA $3.60 63-20368

Trans. of Belorusskii Politekh[nicheskii] Inst[itut] Sbornik Nauch[nykh] Rabot (USSR) 1958, v. 63, p. 27-41.

DESCRIPTORS: *Glass, Silicates, Zirconium compounds, Oxides, Titanium compounds, Optical properties, Crystallization.

The regions of the glass formation and of the crystallization of titanium-zirconium silicate glasses were (Materials--Ceramics, TT, v. 10, no. 12) (over)

63-20368

I. Kachan, I. S.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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The Taxonomy of Forest Groupings, by
A. A. Korchagin, 18 pp.

RUSSIAN, per, Sbornik Nauchnykh Rabot Botan Institute im V. L. Komarova, Ak Nauk SSSR, 1945. 9212593

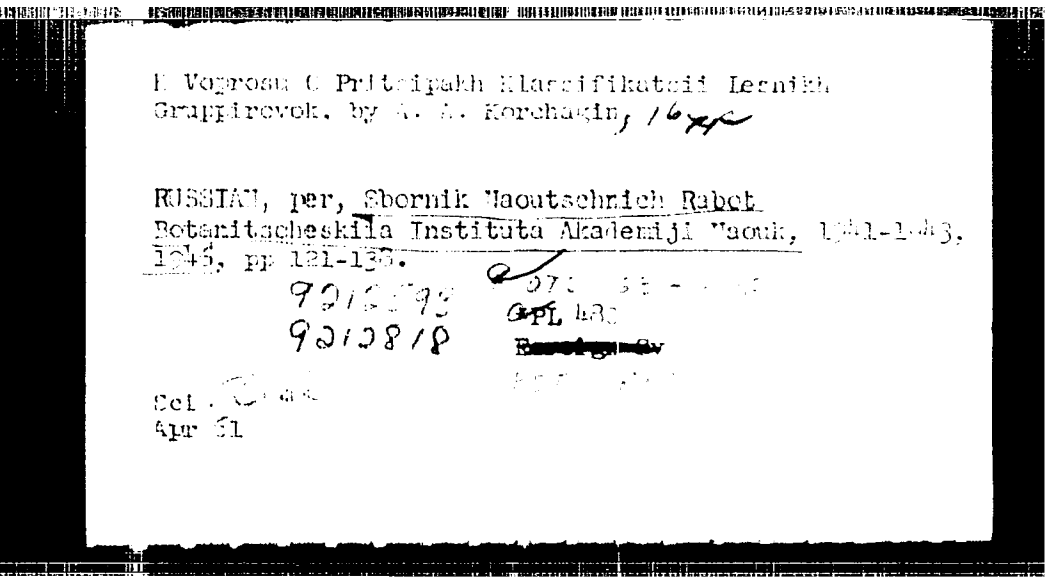
OTS 63-11027
PL-480

Sci - Earth Sci & Astron
Oct 63

315 378

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8



K Voprosu O Printsipakh Klassifikatsii Lesnikh Gruppirovok. by A. A. Korchagin, 16 xx

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9213818

Sel.
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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JPRS 15647

SCI - MEDICINE

OCT 62

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Mironov, N. P., Tinker, I. S. and others.
CONTEMPORARY STATUS OF THE PLAGUE FOCUS IN THE NORTH WESTERN CASPIAN SEA REGION AND PROBLEMS ON ITS FURTHER STUDY (Sovremennoe Sostoyanie Chumnogo Ochaga Severo-Zapadnogo Prikaspiya i Zadachi po Ego Dal'neishemu Izucheniyu). [1961] 18p. Trans. V-1717.
Order from OTS or SLA $1.60 61-28155

Trans. of Elistinskaya Protivochumnaya Stantsiya. Sbornik Nauchnykh Rabot (USSR) 1939 [v. 1] no. 1, p. 19-29.

DESCRIPTORS: *Plague, Caspian Sea, Rats, Man, *Epidemiology, Transmission, Control, *Fleas, *Rodents, Bacteria, Parasites, Ecology

(Biological Sciences--Pathology, TT, v. 7, no. 5)

61-28155

I. Mironov, N. P.
II. Tinker, I. S.
III. Trans-V-1717

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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The Coloring of Glass with Cobalt Pigments of the Spinel Type, by G. A. Kovtunenko, Z. N. Shmalko.

RUSSIAN, per, Sbornik Nauk Rabot, Inst Fiz. Org Khim Akad Nauk Belorus SSR, No 7, 1959, pp 185-187.

ATS RJ-3924

Sci-Chem
Dec 63

244, 874

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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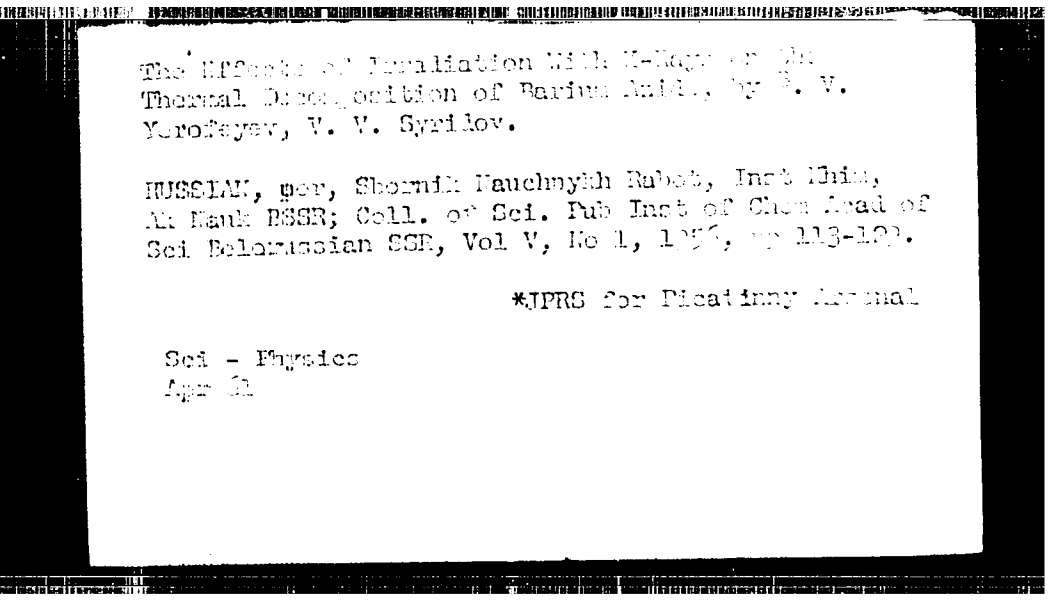

The Effects of Irradiation With X-Rays on the Thermal Decomposition of Barium Azide, by P. V. Yerofeyev, V. V. Syrilov.

RUSSIAN, per, Sbornik Nauchnykh Rabot, Inst Khim, Ak Nauk BSSR; Coll. of Sci. Pub Inst of Chem Acad of Sci Belorussian SSR, Vol V, No 1, 1956, pp 113-122.

*JPRS for Piscatinny Arsenal

Sci - Physics
Apr 62

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

The Influence of a Third Element on the Lattice Parameters of Silver-Caldmium Alloys, by S. D. Gertsriken, et al.

RUSSIAN, per, Sbornik Nauch Rabot Lab Metallofiz, Akad Nauk Ukrain SSR, No 3, Kiev, 1952, pp 114-121.

ATS RJ-1753

Sci — min / met
Jul 59

90,558

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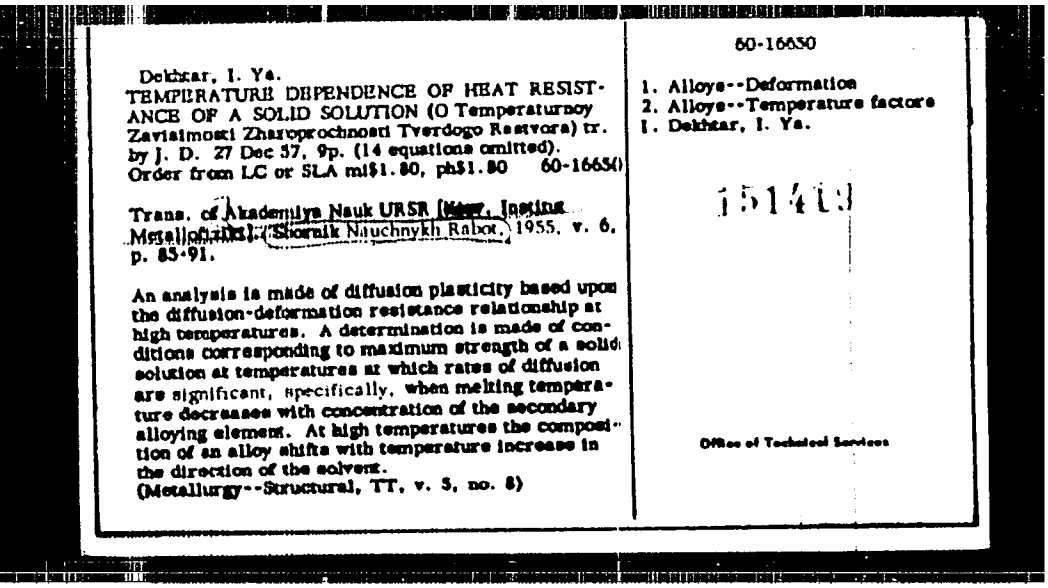

Dekhtar, I. Ya.
TEMPERATURE DEPENDENCE OF HEAT RESISTANCE OF A SOLID SOLUTION (O Temperaturnoy Zavisimosti Zharoprochnosti Tverdogo Rastvora) tr. by J. D. 27 Dec 57, 9p. (14 equations omitted). Order from LC or SLA mi$1.80, ph$1.80 60-16650

Trans. of Akademiya Nauk URSR [Kiev, Institut Metallofiziki]. Sbornik Nauchnykh Rabot, 1955, v. 6, p. 85-91.

An analysis is made of diffusion plasticity based upon the diffusion-deformation resistance relationship at high temperatures. A determination is made of conditions corresponding to maximum strength of a solid solution at temperatures at which rates of diffusion are significant, specifically, when melting temperature decreases with concentration of the secondary alloying element. At high temperatures the composition of an alloy shifts with temperature increase in the direction of the solvent.
(Metallurgy--Structural, TT, v. 5, no. 8)

60-16650

1. Alloys--Deformation
2. Alloys--Temperature factors
I. Dekhtar, I. Ya.

151413

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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Polotskyi, I. G. and Benieva, T. Ya.
EFFECT OF SONIC AND ULTRASONIC FREQUENCY OSCILLATIONS ON THE CRYSTALLIZATION PROCESS OF METALS. [1962] 12p. 26 refs.
Order from RIS $3.00 RIS A 128

Trans. of Akad[emiya] Nauk [URSR, Kiev]. Inst[ytut] Metallofiz[yky]. Sb[ornik] Nauchn[ykh]

DESCRIPTORS: *Metals, *Crystallization, Oscillations, Frequency, Ultrasonics, Sonar, Alloys, Grains(Metallurgy).

(Physics--Solid State, TT, v. 8, no. 3)

62-12428

I. Polotskyi, I. G.
II. Benieva, T. Ya.
III. RIS A-128
IV. Research Information Service, New York

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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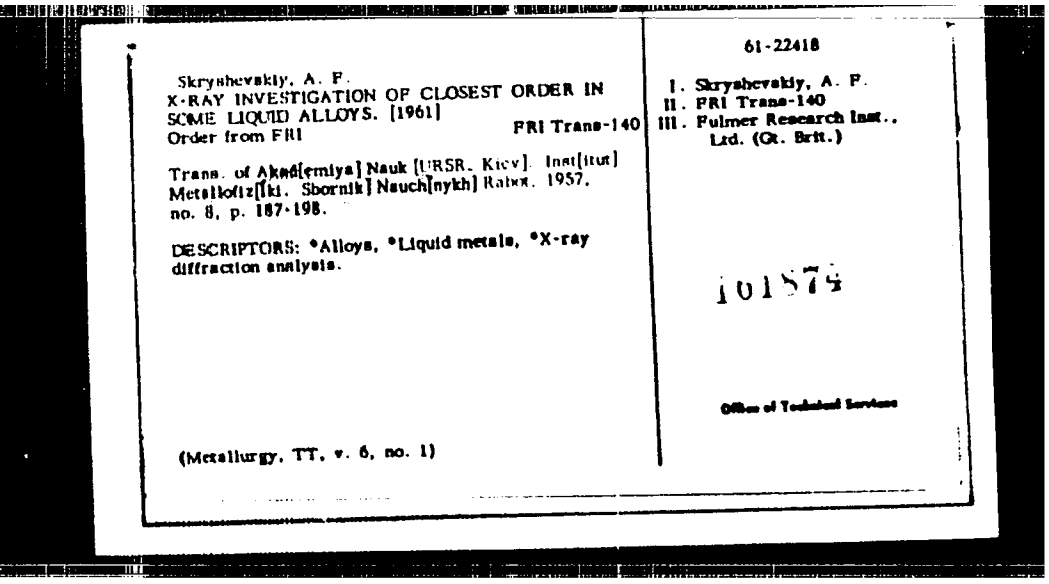

Skryshevskiy, A. F.
X-RAY INVESTIGATION OF CLOSEST ORDER IN SOME LIQUID ALLOYS. [1961]
Order from FRI FRI Trans-140

Trans. of Akad[emiya] Nauk [URSR, Kiev]. Inst[itut] Metallofiz[iki. Sbornik] Nauch[nykh] Rabot. 1957, no. 8, p. 187-198.

DESCRIPTORS: *Alloys, *Liquid metals, *X-ray diffraction analysis.

(Metallurgy, TT, v. 6, no. 1)

61-22418

I. Skryshevskiy, A. F.
II. FRI Trans-140
III. Fulmer Research Inst., Ltd. (Gt. Brit.)

101879

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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Effect of Method of Plastic Deformation on Internal Stresses in Metal, by L. I. Lysak, Yu. P. Sogrishin.

RUSSIAN, per, Sbornik Nauchnykh Rabot Inst Metallofiz Akad Nauk Ukrain SSR, No 9, 1959, pp 22-26.

BISI 2371

171,400

Sci - Min/Metals

Oct 61

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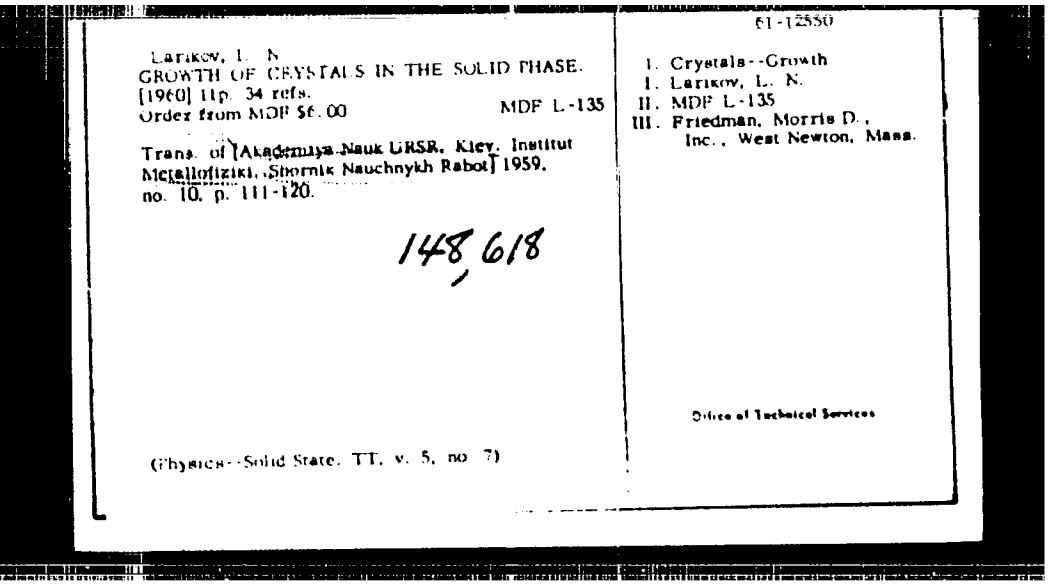

Larikov, L. N.
GROWTH OF CRYSTALS IN THE SOLID PHASE.
[1960] 11p. 34 refs.
Order from MDF $6.00 MDF L-135

Trans. of [Akademiya Nauk URSR, Kiev. Institut Metallofiziki. Sbornik Nauchnykh Rabot] 1959. no. 10, p. 111-120.

148,618

(Physics--Solid State, TT, v. 5, no. 7)

61-12550

1. Crystals--Growth
I. Larikov, L. N.
II. MDF L-135
III. Friedman, Morris D., Inc., West Newton, Mass.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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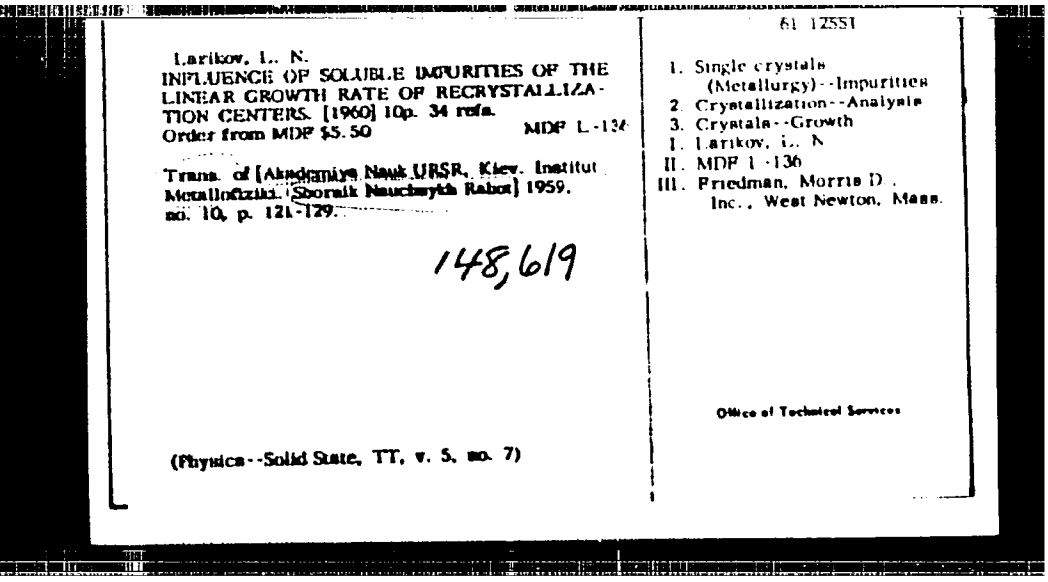

Larikov, L. N.
INFLUENCE OF SOLUBLE IMPURITIES OF THE LINEAR GROWTH RATE OF RECRYSTALLIZATION CENTERS. [1960] 10p. 34 refs.
Order from MDP $5.50 MDP L-134

Trans. of [Akademiya Nauk URSR, Kiev. Institut Metallofiziki. Sbornik Nauchnykh Rabot] 1959. no. 10, p. 121-129.

148,619

(Physica--Solid State, TT, v. 5, no. 7)

61 12551

1. Single crystals (Metallurgy)--Impurities
2. Crystallization--Analysis
3. Crystals--Growth
I. Larikov, L. N
II. MDP L-136
III. Friedman, Morris D., Inc., West Newton, Mass.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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RUSSIAN, bk, Sbornik Trudov Leningradskogo Nauchnogo Obshchestva Nevropatologov i Psikhiatrov, No 3, 1953.

OTS 60-21173
PL-480

Sci - Med

Apr 62

PST 210

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

62-18524

Lesnik, A. G.
THERMODYNAMIC PROPERTIES OF ALLOYS OF THE Fe - Cr SYSTEM [Termodinamicheskie Svoistva Splavov Sistemy Fe - Cr]. [1962] 34p. 31 refs. Order from CTS or SLA $3.60 62-18524

Trans. of [Akademiya Nauk URSR, Kiev, Instytut Metallofizyky, Sbornik Nauchnykh Rabot] 1960 [v. 11] p. 3-21.

DESCRIPTORS: *Thermodynamics, *Alloys, *Iron, *Chromium, Phase studies, Statistical analysis.

(Metallurgy, TT, v. 9, no. 11)

1. Lesnik, A. G.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

Effect of Hardening and Tempering of Steel on Fine Crystalline Structure of Martensite, by I. I. Ivasak.

RUSSIAN, Bk, Sbornik Nauchnykh Rabot Instituta Metallo-Fiziki, AN Ukr SSR, Kiev, No 12, 19[illegible], pp 21-35.

FTD-MT-62-627

Sci - Phys, Min/Met, Chem

13 Apr 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

Method of Studying the Energy Spectrum of Electrons in Metal With Use of Thermal Annihilation of Positions With Electrons, by I. Ya. Dekhtyar, V. S. Mikhalenkov.

RUSSIAN, Uk, Sbornik Nauchnykh Rabot Instituta Metallo-Fiziki, AN UkSSR, Kiev, No 12, 1961, pp 46-51.

*FTD-TT-62-62

Sci - Phys

13 Apr 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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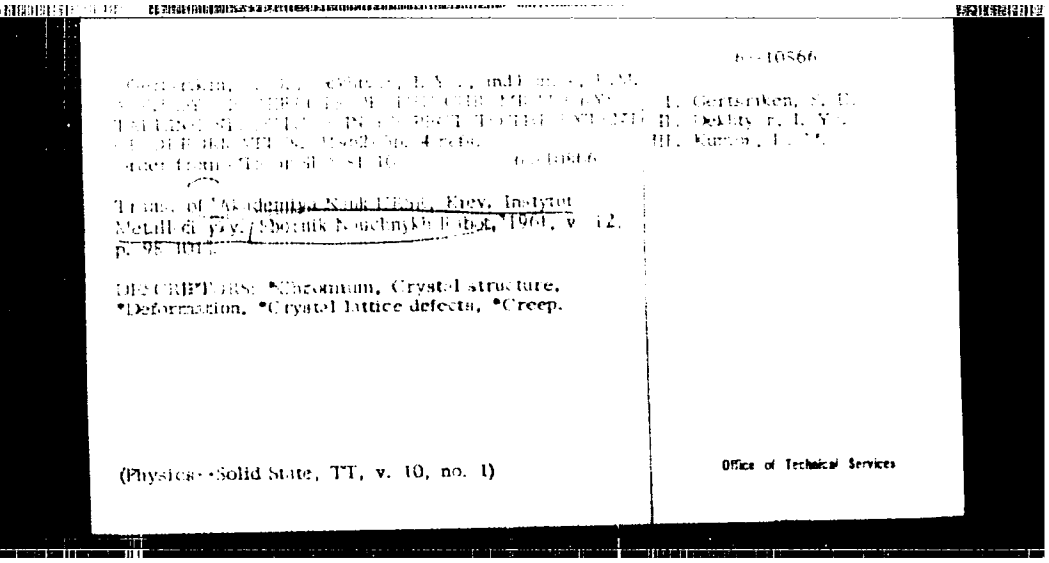

6-10566

L. Gertsriken, S. D.
[illegible]

Trans. of Academy Nauk Ukrs. Resp. Institut Metall di ?ay. (Zbornik Nauchnykh Robot, 1964, v 12, p. 95-101.

DESCRIPTORS: *Chromium, Crystal structure, *Deformation, *Crystal lattice defects, *Creep.

(Physics--Solid State, TT, v. 10, no. 1)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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The Effect of Alloying Elements on Variations, During Tempering of Mosaic Structure and the Distortion of Crystalline Lattice of Martensite, by L. I. Lysak.

RUSSIAN, bk, Sbornik Nauchnykh Rabot Institute Metallo-Fiziki, AN Ukr SSR, Kiev, No 12, 1961, pp 124-134.

*TTD-62-62-62

Sci - Min/Met, Phys, Chem

13 Apr 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

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Crystal Lattice Defects and X-Ray Scattering, by V. M. Danilenko, L. V. Tikhonov, 79 pp.
RUSSIAN, per, Sbornik Nauchnykh Rabot, Akademiya Nauk URSR, Kiev Instytut Metallofizyky, No 15, 1962.
CFSTI TT-65-61769
AD-635 407

313,264

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300870002-8

Calibration of the VR-5/20 Thermocouple to Critical Points up to 3000°C. Determination of the Melting Points of Vanadium and Niobium of High Purity, by Yu. A. Kocherzhinskiy, G. F. Kobzenko. RUSSIAN, per, Sbornik Nauchnykh Rabot AN UkrSSR Institut Metallofiziki, No 17, 1963, pp 209-210.
*FTD-TT-65-1888

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Investigation of Chromium-Iron-Molybdenum and Chromium-Iron-Tungsten Alloys, by
K. A. Alfintseva, et al.
RUSSIAN, per, Sb Nauchn Rabot Inst Metallofiz Akad Nauk Ukr SSSR, Vol XX, 1964, pp 108-124.
DMIC WT P-10,285

Sci-Materials
Nov 66 312,275

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Phase Equilibrium Diagram of the Hf-Ta System in the Solid State, by V. N. Svechnikov, et al.
RUSSIAN, per, Sb Nauchn Rabot Inst Metallofiz Akad Nauk Ukr SSR, Vol XIX, 1964, pp 206-211.
NASA TT F-10,280

Sci-Tech
Rev 66 512.3

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Morphological Changes in the Skin Tissues of Cattle Parasitized by Ixodid Ticks, by U. Uzakov.
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Table of Contents and Review of:
Collection of Scientific Papers, by G. V.
Plekhanova, 6 pp.

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Order from SLA $1.10 61-20496

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DESCRIPTORS: *Fatty acids, Determination, *Chromatographic analysis.

The paper chromatographic method proposed by N. F. Kaufman was found to be suitable for separation of higher fatty acids from C_{10} to C_{18}, but was unsuitable for fatty acids lower than C_{10}, due to solubility of copper salts of lower fatty acids, which makes it impossible to render the spots visible by means of potassium ferrocyanide. The paper (Chemistry--Analytical, TT, v. 7, no. 9) (over)

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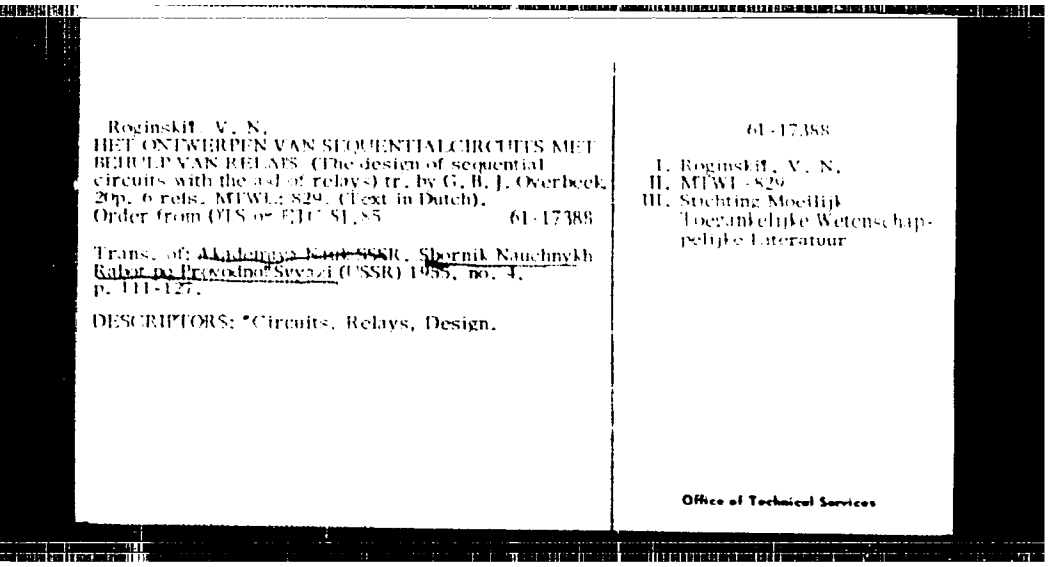

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Trans. of: Akademiya Nauk SSSR. Sbornik Nauchnykh Rabot po Provodnoĭ Svyazi (USSR) 1955, no. 4, p. 111-127.

DESCRIPTORS: *Circuits, Relays, Design.

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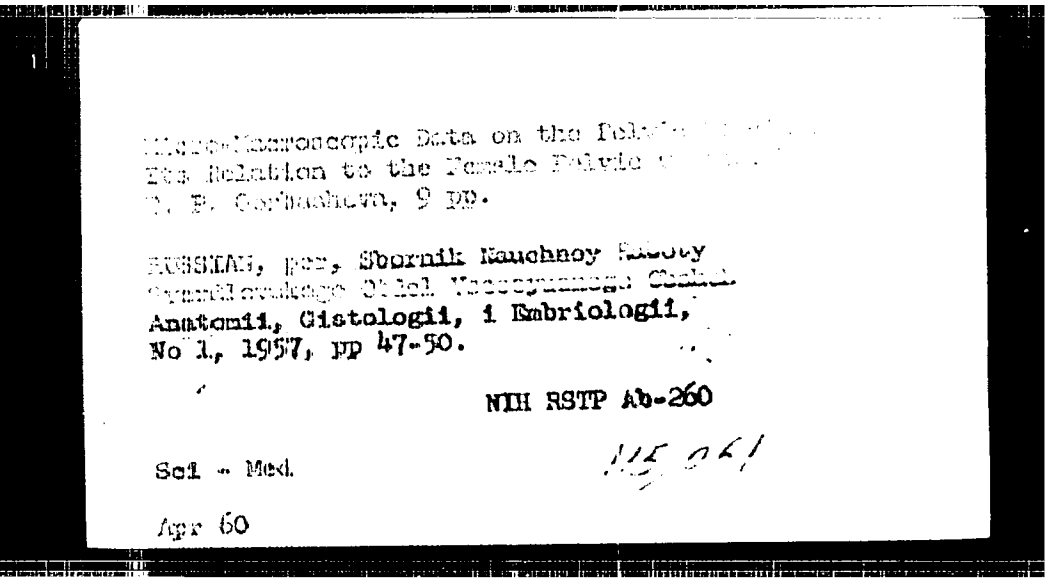

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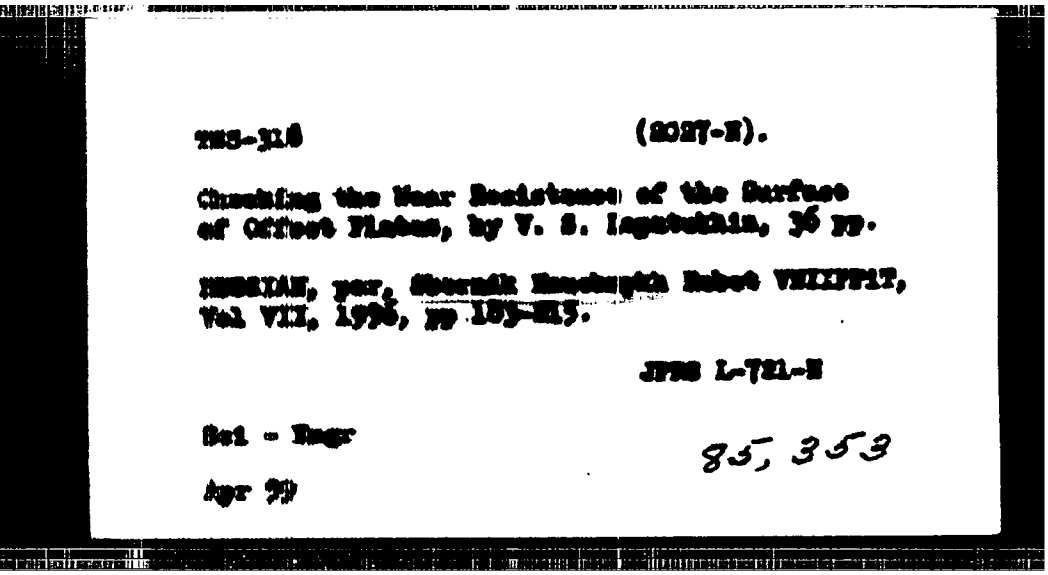

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